

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|--|---|------------------|---------|------------------|
| L1 | 591 | (LED or (light adj1 emitting adj1 diode)) with (revers\$3 adj1 bias\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/30 12:12 |
| L2 | 709003 | camera or imager or CCD or (imag\$3 adj1 (pick\$1up or sens\$3 or captur\$3 or array or device or apparatus)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/30 12:13 |
| L3 | 41 | 1 and 2 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/30 12:13 |
| L4 | 2 | ("5541704").URPN. | USPAT | OR | OFF | 2005/04/30 12:18 |

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|--|------------------------------------|------------------|---------|------------------|
| S1 | 11407 | ((light adj1 emitting adj1 diode\$1) or (LED\$1)) near2 (sensor\$1 or detector\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 10:43 |
| S2 | 35665 | reverse adj1 bias\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 09:59 |
| S3 | 592 | ((light adj1 emitting adj1 diode\$1) or (LED\$1)) with S2 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 09:59 |
| S4 | 69 | S1 and S3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 10:00 |
| S5 | 1 | S4 and ((white or color) adj1 balanc\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 10:00 |
| S6 | 396 | ((light adj1 emitting adj1 diode\$1) or (LED\$1)) with sens\$3 with blue with light | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 10:01 |
| S7 | 970 | ((light adj1 emitting adj1 diode\$1) or (LED\$1)) with sens\$3 with red with light | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 10:01 |
| S8 | 474 | ((light adj1 emitting adj1 diode\$1) or (LED\$1)) with sens\$3 with frequenc\$3 with light | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 11:31 |
| S9 | 4 | S6 and S7 and S8 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 10:02 |
| S10 | 256 | S6 and S7 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 10:02 |
| S11 | 2681 | ((light adj1 emitting adj1 diode\$1) or (LED\$1)) adj1 (sensor\$1 or detector\$1 or measurement) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 12:44 |
| S12 | 47 | S11 same (blue) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 10:40 |

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| S13 | 163 | S11 same (red) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 10:05 |
| S14 | 2 | "6095661".pn. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 10:42 |
| S15 | 109 | LED adj1 measurement | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 10:42 |
| S16 | 21 | S15 with light | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 10:43 |
| S17 | 310 | ((light adj1 emitting adj1 diode\$1) or (LED\$1)) with (revers\$3 adj1 bias) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 10:59 |
| S18 | 25736 | (white or color) adj1 (balanc\$3 or measur\$5 or adjust\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 15:01 |
| S19 | 3 | S17 and S18 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 10:45 |
| S20 | 56 | 348/223.1-225.1.ccls. and ((light adj1 emitting adj1 diode\$1) or (LED\$1)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 11:39 |
| S21 | 2278 | ((light adj1 emitting adj1 diode\$1) or (LED\$1)) with (sens\$3 or detect\$3 or measur\$3 or meter\$3) with (light) with (intensit\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 11:57 |
| S22 | 168 | S18 and S21 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 11:27 |
| S23 | 1 | S22 and S2 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 11:27 |
| S24 | 74 | ((light adj1 emitting adj1 diode\$1) or (LED\$1)) near1 (measur\$3) with (light) with (intensit\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 11:29 |

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| S25 | 18 | S18 and S24 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 11:29 |
| S26 | 447 | ((light adj1 emitting adj1 diode\$1) or (LED\$1)) near1 (measur\$3) with (light) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 11:37 |
| S27 | 44 | S18 and S26 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 11:31 |
| S28 | 487890 | ((light adj1 emitting adj1 diode\$1) or (LED\$1)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 11:31 |
| S29 | 4921 | incident with light with S28 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 11:32 |
| S30 | 133 | S29 and S18 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 11:32 |
| S31 | 284 | incident near1 light near1 S28 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 11:32 |
| S32 | 12 | S31 and S18 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 11:34 |
| S33 | 192 | measur\$3 with incident with light with S28 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 11:35 |
| S34 | 7 | S33 and S18 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 11:35 |
| S35 | 2707 | ((light adj1 emitting adj1 diode\$1) or (LED\$1)) and (revers\$3 adj1 bias) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 11:37 |
| S36 | 26 | S35 and S18 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 11:37 |

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| S37 | 73167 | ((light adj1 emitting adj1 diode\$1) or (LED\$1)) with (sens\$3 or detect\$3 or measur\$3 or meter\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 11:56 |
| S38 | 18 | 348/223.1-225.1.ccls. and S37 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 11:54 |
| S39 | 7656 | (photo\$1detect\$3 or photo\$1diode\$1) with S37 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 11:53 |
| S40 | 73 | (photo\$1detect\$3 or photo\$1diode\$1) with S37 with (exchang\$3 or replac\$3 or instead) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 11:52 |
| S41 | 2 | S40 and S18 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 11:52 |
| S42 | 181 | S39 and S18 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 11:53 |
| S43 | 1 | 348/223.1-225.1.ccls. and S39 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 11:54 |
| S44 | 4638 | ((light adj1 emitting adj1 diode\$1) or (LED\$1)) adj1 (sens\$3 or detect\$3 or measur\$3 or meter\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 12:05 |
| S45 | 117 | S44 and (S18 or 348/223.1-225.1. ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 11:58 |
| S46 | 0 | imping\$3 adj2 on adj2 ((light adj1 emitting adj1 diode\$1) or (LED\$1)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 12:05 |
| S47 | 0 | light adj2 on adj2 ((light adj1 emitting adj1 diode\$1) or (LED\$1)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 12:06 |
| S48 | 257 | light adj2 sens\$3 adj2 ((light adj1 emitting adj1 diode\$1) or (LED\$1)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 12:06 |

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| S49 | 227 | light adj2 detect\$3 adj2 ((light adj1 emitting adj1 diode\$1) or (LED\$1)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 12:06 |
| S50 | 51 | light adj2 measur\$3 adj2 ((light adj1 emitting adj1 diode\$1) or (LED\$1)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 15:00 |
| S51 | 3 | S50 and (S18 or 348/223.1-225.1. ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 12:07 |
| S52 | 5 | S49 and (S18 or 348/223.1-225.1. ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 12:09 |
| S53 | 4 | ("4310855").URPN. | USPAT | OR | OFF | 2005/04/21 12:08 |
| S54 | 8 | S48 and (S18 or 348/223.1-225.1. ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 12:10 |
| S55 | 631 | light adj1 emitting adj1 detect\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 12:12 |
| S56 | 3 | S55 and (S18 or 348/223.1-225.1. ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 12:12 |
| S57 | 5 | S55 and "348"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 12:17 |
| S58 | 4547 | ((LED\$1) or (light adj1 emitt\$3)) near2 light near2 intensit\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 15:05 |
| S59 | 25736 | (white or color) adj1 (balanc\$3 or measur\$5 or adjust\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 15:01 |
| S60 | 24 | S58 with S59 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 15:01 |
| S61 | 233 | S58 and S59 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 15:01 |

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| S62 | 29 | S58 same S59 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 15:01 |
| S63 | 1882 | ((LED\$1) or (light adj1 emitt\$3)) near2 respons\$3 near2 light | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 15:05 |
| S65 | 48 | S63 and S59 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 15:04 |
| S66 | 2410 | ((LED\$1) or (light adj1 emitting adj1 diode\$1)) near2 light near2 intensit\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 15:06 |
| S67 | 487890 | ((LED\$1) or (light adj1 emitting adj1 diode\$1)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 15:05 |
| S68 | 139 | S59 and S66 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 15:07 |
| S69 | 16 | S59 same S66 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 15:06 |
| S70 | 12 | S59 with S66 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 15:10 |
| S71 | 54 | light adj1 emitting adj1 detector\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 15:10 |
| S72 | 1 | S71 and S59 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 15:10 |
| S73 | 25 | S71 and LED\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/04/21 15:10 |